

Reply-To: bu.edu!INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL
Subject: INFO-HAMS Digest V89 #951
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

INFO-HAMS Digest Thu, 30 Nov 89 Volume 89 : Issue 951

Today's Topics:

Scanning the food service industry

Date: 30 Nov 89 02:36:49 GMT
From: att!cbnewsc!parnass@ucbvax.Berkeley.EDU (Bob Parnass, AJ9S)
Subject: Scanning the food service industry
Message-ID: <5139@cbnewsc.ATT.COM>

X

FOOD SERVICE SCANNER FREQUENCIES

by Bob Parnass, AJ9S

How do food services and restaurants use radio communication? Fancier restaurants have been known to equip their waiters and waitresses with paging receivers. Catering vans and pizza delivery trucks are sometimes equipped with two-way radios. Fast food restaurants, like McDonald's, use low power headsets so workers can communicate among themselves and with customers.

Marvin Hand's article, "From Drive-In to Drive-Thru," in April 15, 1988 Sound & Video Contractor magazine, describes the wireless communications systems used by the fast food industry. HM Electronics (HME) of San Diego furnishes the equipment I've seen in McDonald's restaurants, which is licensed under FCC Part 90. Order takers wear their PR-4 belt-pac COMMUNICATOR transceivers around the waste, with attached headset.

Marvin's article stated that "when a car drives up, a detector senses the presence of the vehicle and sends a message over cables to a base stations located on a wall inside the restaurant. The base station then transmits a coded tone to each of the units via radio signals."

The order take is then alerted by a tone in the headset that a customer is present. By depressing a button on the belt-pac, the order taker can greet the customer. The customer places the order, which is simultaneously transmitted to all drive-thru personnel, so food prepara-

tion can begin immediately. If there are questions about a specific order, belt-pac equipped personnel can press an internal intercom button to review the order with the order taker. The intercom mode transmits only to other workers, not the customer.

Marvin implies the NiCd batteries in the belt-pacs last for 18 hours between fast charges!

The following list contains a sampling of Chicagoland food services using radio equipment.

Key:

2w = low power

pg = paging

Alfano's Pizza, restaurant

[DeKalb]----- 461.5500____KTB570 (govt recds)

ARA Leisure Svcs, vending machines & food svc

[Rosemont]----- 461.8375_2w_call? (govt recds)

" " 462.9125_2w_call? (govt recds)

" " 463.2875_2w_call? (govt recds)

" " 463.3625_2w_call? (govt recds)

" " 463.5875_2w_call? (govt recds)

" " 463.8125_2w_call? (govt recds)

ARA Leisure Svcs, vending machines and food svc

[USA-wide]----- 469.5000_mo_KB78203 (govt recds)

ARA Svcs Inc, food svc at McCormick Place, PL3A

[Chicago]----- 464.4750____WNGL295 (others)

ARA Svcs Inc, vending machines & food svc, used at Rosemont Horizon

[Rosemont]----- 468.9625_2w_call? (others)

ARA Svcs Inc, vending machines & food svc

[Chicago]----- 463.2500____KBM335 (govt recds)

" " 853.3875____call? (govt recds)

" [Illinois]----- 461.0250____KA96047 (govt recds)

" " 461.5000____KA96047 (govt recds)

" " 467.8750_2w_KA73943 (govt recds)

" " 808.9375____K08420 (govt recds)

" [St Charles]----- 154.5700_2w_KTR909 (govt recds)

" " 154.6000_2w_KB43439 (govt recds)

ARAServ Inc, vending machines & food svc

[Illinois]----- 467.9250_2w_KA96047 (govt recds)

Arlington Park Racetrack, sports, PL2Z, Ditka's Restaurant

[Arlington Hts]----- 461.0375_2w_call? (others)

Bloomers Restaurant & Bar aka/K & K Mgt

[Oakbrook Terrace]__ 464.8875_2w_call? (govt recds)

Burger King Corp, restaurant

| | | | |
|--|----------------------|---------------------|--------------|
| | [Illinois]----- | 460.8875_2w_KD20051 | (govt recds) |
| " | [Orland Park]----- | 457.5625_2w_call? | (govt recds) |
| " | " | 467.7875_2w_call? | (govt recds) |
| Burger King Corp, wireless microphone, drive up window to order taker, restaur | | | |
| ant at Fox Valley Mall | | | |
| | [Aurora]----- | 457.5625_2w_call? | (B. Parnass) |
| Burger King Corp, wireless microphone, order taker to drive up window, restaur | | | |
| ant at Fox Valley Mall | | | |
| | [Aurora]----- | 467.7875_2w_call? | (B. Parnass) |
| Coach House, hotel, restaurant | | | |
| | [Chicago Hts]----- | 151.9250____KNDN795 | (govt recds) |
| Connie's Pizzeria, restaurant aka/MLB of Naperville | | | |
| | [Naperville]----- | 464.3750____KNEW689 | (govt recds) |
| Connies Inc, restaurant? | | | |
| | [Lagrange]----- | 31.0000____KNAQ428 | (govt recds) |
| Ditka's Restaurant at Arlington Park Racetrack, PL2Z | | | |
| | [Arlington Hts]----- | 461.0375_2w_call? | (others) |
| Fox's Pub aka/Oaklawn Pub, S Fox, waitress paging, restaurant | | | |
| | [Oaklawn]----- | 152.4800_pg_KNAU264 | (others) |
| Georgis Restaurant_____[Chicago]----- | | 154.5150____KAT257 | (govt recds) |
| Golf Mill Shopping Center, maintenance, food svc | | | |
| | [Niles]----- | 462.1125_2w_call? | (others) |
| Great America, Marriott's, retail food svc, entertainment | | | |
| | [Gurnee]----- | 464.6750____call? | (others) |
| Hamiltons Lounge Inc, restaurant? | | | |
| | [Chicago]----- | 151.8350____KNCJ702 | (govt recds) |
| Hardees, restaurants_____[Illinois]----- | | 457.5750_2w_call? | (govt recds) |
| " | " | 461.1125_2w_KB82638 | (govt recds) |
| " | " | 467.8000_2w_call? | (govt recds) |
| " | [Joliet]----- | 30.8400_2w_call? | (govt recds) |
| " | [Lebanon]----- | 170.3050____call? | (govt recds) |
| " | " | 31.0000____call? | (govt recds) |
| Hardees, wireless microphone, at Louis Joliet Mall, restaurants | | | |
| | [Joliet]----- | 154.5700_2w_call? | (B. Parnass) |
| Hillary's Water Tower Place, restaurant, paging | | | |
| | [Chicago]----- | 154.6250_pg_KOB508 | (others) |
| Kentucky Fried Chicken restaurant, PL5A | | | |
| | [Maywood]----- | 457.5875_2w_call? | (others) |
| " | " | 477.8125____call? | (others) |
| Kentucky Fried Chicken restaurant | | | |
| | [Illinois]----- | 457.5875_2w_call? | (govt recds) |
| " | " | 467.8125_2w_call? | (govt recds) |
| Leona's Restaurant_____[Chicago]----- | | 154.5700_2w_call? | (govt recds) |
| " | " | 30.8400_2w_call? | (govt recds) |
| Little Italian restaurant aka/Del Sue Inc, pizza delivery cars | | | |
| | [Naperville]----- | 151.8650____KGU974 | (B. Parnass) |
| Maggie Murphy's Restaurant | | | |
| | [Highland Park]----- | 157.7400_pg_KER451 | (govt recds) |

McDonald's Corp aka/South Suburban En, restaurant, wireless microphone
[Homewood]----- 170.2450____KB86779 (govt recds)

McDonald's Corp, Louis Joliet Mall, restaurant, wireless microphone
[Joliet]----- 154.5700_2w_call? (B. Parnass)

McDonald's Corp, Naper Blvd, restaurant, wireless microphone
[Naperville]----- 151.8950____call? (govt recds)
" " 154.6000_2w_call? (govt recds)
" " 33.1400_2w_call? (govt recds)
" " 35.0200_2w_call? (govt recds)

McDonald's Corp, restaurant, wireless microphone, attendant
[Downers Grove]---- 467.7750_2w_call? (others)

McDonald's Corp, restaurant, wireless microphone, customer and attendant
[Downers Grove]---- 457.5500_2w_call? (others)

McDonald's Corp, restaurant
[Illinois]----- 151.8950____KB79858 (govt recds)
" " 33.1400_2w_KB79858 (govt recds)

McDonald's Corp/aka Chicago Regional McDonalds, restaurant, wireless microphone, order taker to drive-up window, in Aurora (Fox Valley Mall), Montgomery, Yorkville
[Illinois]----- 154.6000_2w_KB63677 (B. Parnass)

McDonald's Corp/aka Chicago Regional McDonalds, restaurant, wireless microphone, order taker to drive-up window
[Hinsdale]----- 154.5700_2w_call? (others)
" [Homewood]----- 154.5700_2w_call? (others)

McDonald's Restaurant aka/Wright Management, 2702 W. Peterson
[Chicago]----- 154.5700_2w_call? (govt recds)
" " 170.2450____call? (govt recds)
" " 171.1050____call? (govt recds)

McDonald's Restaurant__ [Illinois]----- 464.5875_2w_call? (govt recds)
" [St Charles]----- 464.5125_2w_call? (govt recds)

McDonalds Corporation, restaurants, wireless microphone, drive-up window to order taker and order taker to drive-up window, very low power
[Hinsdale]----- 33.4000_2w_call? (others)
" [Illinois]----- 35.0200_2w_KB67295 (B. Parnass)

Meriwether's Restaurant
[Chicago]----- 154.6250_pg_KNAT997 (govt recds)
" [Skokie]----- 154.6250_pg_WGQ274 (govt recds)

Mr Benny's Restaurant__ [Matteson]----- 157.7400_pg_KAZ815 (govt recds)

Mr Mike's Catering, motion picture industry
[Chicago]----- 173.2250____call? (others)

Omega Restaurant Inc, 1300 Ogden Ave
[Downers Grove]---- 464.5875_2w_call? (govt recds)

Portillo's Hot Dogs, Inc, restaurant
[Rolling Meadows]--- 463.4875_2w_call? (govt recds)
" " 463.6125_2w_call? (govt recds)

Sgt Peppers Inc, restaurant, pizza delivery
[DeKalb]----- 461.8500____KNGZ636 (B. Parnass)

| | | |
|--|---------------------|--------------|
| Taco Bell, restaurant__[Elmhurst]----- | 460.8875_2w_call? | (govt recds) |
| " " [Joliet]----- | 464.9625_2w_call? | (govt recds) |
| " " [Bloomingdale]----- | 154.5700_2w_call? | (govt recds) |
| " " [Woodridge]----- | 30.8400_2w_call? | (govt recds) |
| Taco Bell, wireless microphone, at Stratford Square Mall, restaurant | | |
| " [Naperville]----- | 460.8875_2w_call? | (others) |
| " " [Illinois]----- | 466.8875_2w_call? | (others) |
| Taco Bell, wireless microphone, restaurant | | |
| " [Illinois]----- | 154.5700_2w_call? | (B. Parnass) |
| Wendys International, wireless microphone, restaurant | | |
| " [Naperville]----- | 460.8875_2w_KB94551 | (others) |
| White Castle Systems, restaurants | | |
| " [Illinois]----- | 460.8875_2w_call? | (others) |
| White Fence Farm, Bolingbrook restaurant | | |
| " [Illinois]----- | 461.8125_2w_KB83810 | (govt recds) |
| " [Illinois]----- | 154.6000_2w_KB64337 | (govt recds) |

Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

End of INFO-HAMS Digest V89 Issue #951